

## CLAIMS

What is claimed is:

1. Apparatus for generating shock waves directed at an area of  
5 a human or animal body to be treated,  
wherein the shock-wave generating part (12) consists of  
piezoelectric fibers (14) integrated in a composite  
material (16).
- 10 2. Apparatus according to claim 1,  
wherein said piezoelectric fibers (14) are integrated in  
said composite material (16) such that their lengthwise  
direction shows to said area to be treated and/or to the  
direction of propagation (26) of the shock wave.
- 15 3. Apparatus according to claim 2,  
wherein said piezoelectric fibers (14) integrated in said  
composite material (16) form at least one module (22) with  
said composite material (16).
- 20 4. Apparatus according to claim 3,  
wherein said at least one module (22) forms a spatial unit.
- 25 5. Apparatus according to claim 3,  
wherein said at least one module (22) forms a unit by means  
of common electrically connected piezoelectric fibers (14).
- 30 6. Apparatus according to claim 3,  
wherein said at least one module (22) is designed in  
geometrically different forms.
- 35 7. Apparatus according to claim 3,  
wherein several of said module (22) are arranged next to  
one another.
8. Apparatus according to claim 7,  
wherein said several modules (22) are interconnected  
individually, in groups or with one another.
- 40 9. Apparatus according to claim 3,  
wherein said at least one module (22) is arranged on a  
carrier (24).

10. Apparatus according to claim 9,  
wherein said module carrier (24) is designed in  
geometrically different forms.
- 5 11. Apparatus according to claim 9,  
wherein said module carrier (24) is designed in an  
electrically conductive way.
- 10 12. Apparatus according to claim 2,  
wherein said piezoelectric fibers (14) are designed to be  
commonly contacted on their respective terminals (3).
- 15 13. Apparatus according to claim 12,  
wherein said terminals (30) are designed with at least one  
electrical connection.
- 20 14. Apparatus according to claim 13,  
wherein one of said electrical connections is connected  
with said module carrier (24).
- 25 15. Use of piezoelectric fibers (14) for generating shock waves  
for the treatment of the human or animal body.